**Learning Skill Topic** – **Understanding your grade**

In this course, your grade is based on weighted categories that are listed in your syllabus.

1. List the categories and their weights:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Weight |  | Category | Weight |
|  |  |  |  |  |
|  |  |  |  |  |

The following are the steps in calculating a weighted average:

1. Find the mean (average) of the grades *within* each category by adding them up and dividing by the number of grades. Remember, a 0 is a grade.
2. Multiply the average for the category by its weight. If a category is worth 30%, multiply the average by .30.
3. Add the results together.
4. The grades for two students are listed below. Calculate their grades.

**Bart**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Assignments** | | | | | **Average** |
|  | **HW #1** | **HW #2** | **HW #3** | **HW #4** | **HW #5** |  |
| **Written** | 98 | 0 | 85 | 87 | 0 |
|  | **XL #1** | **XL #2** | **XL#3** | **XL #4** | **Xl #5** |  |
| **Math XL** | 95 | 98 | 0 | 0 | 93 |
|  | **Quiz 1** | **Quiz 2** | **Test** |  |  |  |
| **Quiz/Test** | 88 | 0 | 90 |  |  |
|  | **First Check** |  |  |  |  |  |
| **Portfolio** | 90 |  |  |  |  |

**Lisa**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Assignments** | | | | | **Average** |
|  | **HW #1** | **HW #2** | **HW #3** | **HW #4** | **HW #5** |  |
| **Written** | 98 | 70 | 85 | 87 | 75 |
|  | **XL #1** | **XL #2** | **XL#3** | **XL #4** | **Xl #5** |  |
| **Math XL** | 95 | 98 | 94 | 92 | 93 |
|  | **Quiz 1** | **Quiz 2** | **Test** |  |  |  |
| **Quiz/Test** | 88 | 80 | 90 |  |  |
|  | **First Check** |  |  |  |  |  |
| **Portfolio** | 95 |  |  |  |  |

**Bart’s grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lisa’s grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. What made the difference between Bart’s and Lisa’s grades?

Use the graphs to answer the questions below.

The total population in 1900 was approximately 76,000,000 and in 2000 it was 281,400,000.

1. About how many people were between the ages of 5 and 19 in 2000? Write the result in words.
2. Compare the populations under the age of 5.
   1. In which year was there a greater percentage of people under the age of 5?
   2. In which year was there a greater number of people under the age of 5?
3. Approximately what percent of the population was over 20 in 1900?
4. Circle the letter of each statement that is correct.
   1. In 2000, approximately 20 out of every 100 people were between the ages of 45 and 65.
   2. There were approximately the same number of people between 20 and 44 in 1900 and 2000.
   3. The percentage of people age 65 and older tripled from 1900 to 2000.
   4. In 1900, there were about 3 times as many people below the age of 5 than 65 and older.
   5. The number of people age 65 and older tripled from 1900 to 2000.
   6. In 2000, about 1 in 20 people was between 5 and 19.
   7. In 1900, about 1 in 10 people was under 5.
5. Which population is younger? Justify your answer.